the laboratory that performed the approval testing.

[CGD 93–055, 61 FR 13930, Mar. 28, 1996]

## Subpart 160.050—Specification for a Buoy, Life Ring, Unicellular Plastic

### § 160.050–1 Incorporation by reference.

(a) *Standard.* This subpart makes reference to Federal Standard No. 595-Colors in § 160.050–3.

(b) *Copies on file.* The Federal Standard may be obtained from the Business Service Center, General Services Administration, Washington, DC 20407.

[USCG–1999–6216, 64 FR 53228, Oct. 1, 1999]

### § 160.050–2 Types and sizes.

(a) *Type.* Life buoys shall be of the annular ring type as described in this subpart, but alternate arrangements meeting the performance requirements set forth will be given special consideration.

(b) *Sizes.* Ring life buoys shall be of the sizes set forth in Table 160.050–2(b). A tolerance of a plus or minus 5 percent will be allowable on the dimensions indicated in Table 160.050–2(b).

TABLE 160.050–2(b)—SIZES AND DIMENSIONS OF RING LIFE BUOYS

| Size | Dimensions (inches) Finished ring |
|---|---|
| 30-inch | 30 |
| 24-inch | 24 |
| 20-inch | 20 |

[CGFR 54–46, 19 FR 8707, Dec. 18, 1954, as amended by CGFR 62–17, 27 FR 9045, Sept. 11, 1962]

### § 160.050–3 Materials.

(a) *General.* All exposed materials must be resistant to oil or oil products, salt water and anticipated weather conditions encountered at sea. All components used in construction of buoys and life rings must meet the applicable requirements of subpart 164.019 of this chapter.

(b) *Unicellular plastic.* The unicellular plastic material used in fabrication of the buoy body shall meet the requirements of subpart 164.015 of this subchapter for Type C material. The buoy's body shall be finished with two coats of vinyl base paint. The ring life buoys shall be either international orange (Color No. 12197 of Federal Standard 595) or white in color and the colorfastness shall be rated ''good'' when tested in accordance with Federal Test Method Standard No. 191 Methods 5610, 5630, 5650, and 5660.

NOTE: On vessels on an international voyage, all ring life buoys shall be international orange in color.)

(c) *Grab line.* The grab line shall be ⅜-inch diameter polyethylene, polypropylene, or other suitable buoyant type synthetic material having a minimum breaking strength of 1,350 pounds.

(d) *Beckets.* The beckets for securing the grab line shall be 2-inch polyethylene, polypropylene, nylon, saran or other suitable synthetic material having a minimum breaking strength of 585 pounds. In addition, polyethylene and polypropylene shall be weather-resistant type which is stabilized as to heat, oxidation, and ultraviolet light degradation.

(e) *Thread.* Each thread must meet the requirements of subpart 164.023 of this chapter. Only one kind of thread may be used in each seam.

[CGFR 65–9, 30 FR 11477, Sept. 8, 1965, as amended by CGFR 65–64, 31 FR 562, Jan. 18, 1966; CGD 78–012, 43 FR 27154, June 22, 1978; CGD 84–068, 58 FR 29493, May 20, 1993]

### § 160.050–4 Construction and workmanship.

(a) *General.* This specification covers ring life buoys which provide buoyancy to aid in keeping persons afloat in the water. Each buoy consists of a body constructed in the shape of an annular ring, with an approximately elliptical body cross section and which is fitted with a grab line around the outside periphery. The outside and inside diameters of the ring and the length and width of the cross section of the body shall be uniform throughout.

(b) *Body.* The body shall be made in either one or two pieces. If of two pieces, the pieces shall be equal in size and shall be adhesive bonded along a center line through an axis passing through the flat area dimension of the body. The adhesive shall be a liquid